

## Soviet delegation visiting University and Research Council

A three-person Soviet delegation will be visiting the University of Alberta 2 November.

The delegation is headed by Yevgeny Velikhov, Vice-President of the Soviet Academy of Science, member of the Supreme Soviet and expert on nuclear energy and

environmental matters.

Also accompanying Velikhov is Victor Golovani, Director of the World Laboratory for Systems Research, and Yuri Shiyan of the Academy's Foreign Relations Division, a specialist in North American relations.

The purpose of the Academy's visit to Canada, the first in 13 years, is to re-establish direct contacts with Canadian academics and researchers. The Academy delegation also wants to discuss the possibility of opening up direct ties between Canadian institutions

and Academy institutes.

The delegation is expected to tour Canada between 29 October and 12 November. "Given the current flourishing state of contacts with the Soviet Union, this official visit gives every promise of being fascinating and productive for both sides," says Doris Bradbury, project officer for the Canada-USSR Academic Exchange Program, Association of Universities and Colleges of Canada.

The USSR Academy of Science has been for more than two centuries the chief centre of research and scholarship in the Soviet Union; it supports scholars and their research and publications in the humanities, social sciences and natural sciences. □

# FOLIO

University of Alberta

2 November 1989

## Enrollment increase confirmed by latest data

The biggest increase in enrollment this year was recorded by the Faculty of Education. As of 13 September 1989, 3,480 students had registered in the Faculty compared to 3,089 on 14 September 1988.

The updated first-term figures published by the Registrar's Office reveal a modest overall increase in

enrollment at the U of A of 2.4 percent, an increase of 712 students.

In the two largest Faculties, Arts experienced a 3.9 percent decrease over last year's totals and Science recorded a 3.7 percent increase.

Other Faculties which experienced decreases are: Agriculture and Forestry, 3.1 per cent; Home

Economics, 2.5 percent; Law, 4.0 percent; and Physical Education and Recreation, 12.5 percent.

Increases in enrollment were registered in these Faculties: Education, 12.7 percent; Business, 0.9 percent; Dentistry, 0.4 percent; Engineering, 2.8 percent; Graduate Studies and Research, 1.8 percent; Medicine, 1.4 per cent; Division of Medical Lab Science, 8.1 percent; Nursing, 3.6 percent; Pharmacy, 0.7 percent; Rehabilitation Medicine, 1.9 percent; Saint-Jean; 0.8 percent; and Unclassified, 6.7 percent.

There was no change in Library and Information Studies and figures were not available for Native Studies.

While full-time enrollment rose from the 1988-89 total of 25,165 to the 1989-90 total of 25,561, the part-time enrollment for the same years rose from 3,618 to 3,934, representing an 8.7 percent increase.

The total 1989-90 enrollment as of 13 September was 29,495, compared to the 1988-89 figure of 28,783.

The comparative enrollment report for 1988 and 1989 for the first term needs to be qualified by noting that the Hospital School of Nursing registrations had not been completed as of 13 September.

Continued on page two

## Pediatrics initiates children's evening walk-in clinic

The Department of Pediatrics has initiated a children's evening walk-in clinic at the Walter C Mackenzie Health Sciences Centre.

The clinic is designed to expose medical students to out patient pediatrics.

The clinic will give students the opportunity to participate in pediatric emergency and ambulatory care. Organizers are hoping the existence of the service will be widely known in order to attract a wide range of patients. This, it's hoped, will maximize the students' experience in the clinic. □



He's stronger than a roller derby queen, faster than a speeding go-cart, leaps tall tennis nets in a single bound. It's Spiderman. No, it's Superman. No, it's ... CAPTAIN REC, Campus Recreation's newly introduced mascot. His mission is to "spread the word" about Campus Rec programs and to attend various activities to ensure that everyone who participates has an enjoyable experience.

University of Alberta

## INSIDE

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- National university enrollment up
- Steadward heads International Paralympic Committee

2 November 1989

## University Archives to publish comprehensive guide to holdings

University Archives and Collections has been awarded a two year, Canadian Studies Research Tools grant of \$58,330 by the Social Sciences and Humanities Research Council of Canada to produce a guide to its holdings.

The department will hire a senior research archivist for a 17-month contract to prepare a guide which will describe the archival records of the University, the personal and research papers of faculty and staff and the records of non-University organizations which have been acquired by the department. It will be a big job. The official 'memory' of the University is long and full. The 2,600 linear metres of documentary heritage in the Archives include University records dating from 1908, manuscripts,

correspondence, films, videos, maps, drawings, blueprints and photographs.

Now, academic and nonacademic researchers who use the University Archives work through a card index, theme guides, or published and unpublished guides to individual papers and collections of photographs.

However, notes Chief Archivist Bryan Corbett, "There is no one-stop catalogue with full descriptions of the extent of the material, subjects covered, the outside dates or significance of the individual, institutions or organizations . . . no one place where researchers can find this information without visiting the Archives."

This comprehensive guide, with

all that information, to be published in hard copy and on microfiche, will help inform researchers locally, within Canada and abroad, of the holdings. It will also provide better access to the archival resources which will be available to them in the new

Timms Collections Centre.

"It's an essential tool," comments Bryan Corbett. "This guide together with the first-rate preservation facilities and enhanced research facilities are the three cornerstones of Archives." □

## Computer viruses: fact from fiction

What are computer viruses? Where do they come from? What can they do to your computer?

These are some of the questions that will be tackled at a Faculty of Extension one-day seminar tomorrow.

The seminar will attempt to separate the facts from the popular fiction and data on computer viruses and will be presented in a

professional manner by experienced practitioners in the field.

Anyone who works with computers, or who is responsible for the security of computer systems will benefit from the seminar.

For additional information on the seminar, contact the Faculty of Extension at 492-5066. □

## Chemistry's Boomer Lectures, 7-9 November

The 1989 Boomer Lectures will be delivered by Richard Schrock, Frederick G Keyes Professor of Chemistry at the Massachusetts Institute of Technology.

His first lecture, 7 November, is titled "High Oxidation State Organometallic Chemistry and Catalysis"; his second lecture, 8 November, is titled "The Controlled Polymerization of Cyclic Olefins and Acetylenes by Well-Characterized Alkylidene Complexes"; and the third lecture, 9 November, is titled "The Chemistry of Complexes Containing Multiple Metal-Nitrogen Bonds, Including High Oxidation-State Dinitrogen

Complexes of Molybdenum and Tungsten."

All lectures will be held in V-107 of the Physical Sciences Complex and will begin at 11 am. The lectures are the 31st in a series inaugurated in 1958 to recognize the contributions of Professor Edward Boomer, who was associated with the Department of Chemistry from 1925 to 1945.

Dr Schrock received his PhD from Harvard and joined the Chemistry Department at MIT in 1975. His research interests include the inorganic and organometallic chemistry of high oxidation state early transition metals. □

## Enrollment increase

*Continued from page one*

Meanwhile, off campus, special permission to carry a full-time course load had been granted to 32 unclassified students enrolled in the Transition Year Program, Blue Quill, Slave Lake and Spruce Grove off-campus centres.

Registrar Brian Silzer said the decline in the Faculty of Arts enrollment comes as some relief, but any minor relief is offset by the increase in demand on arts courses by education and science students. On the education increases, Silzer said he was surprised. He noted,

however, that the increases may be due to students who are anticipating the implementation of a quota and so are applying ahead of the implementation. He said there was also an increase in out-of-province applicants for the Faculty of Education, possibly reflecting events in Ontario at other universities.

Silzer emphasized that the University continues to be very accessible and "the enrollment profile indicates that we're carrying our share of the load."

The Registrar said it is always difficult to project enrollment, given the fact that there are so many factors involved. □

## FOLIO

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**University  
of  
Alberta**

### Deadlines:

**Notice of coming events:** 9 am three weeks in advance of desired publication date.

**Classified advertisements:** 3 pm one week in advance of desired publication date. This date also serves as the deadline for cancellation of advertisements. Advertisements cost 35 cents per word with no discount for subsequent insertions. There is a maximum limit of 30 words and a minimum charge of \$1.75. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission. **Display advertisements:** 3 pm one week in advance of desired publication date. Contact Public Affairs for sizes, rates and other particulars.

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## LETTERS

### Hiring on merit only in University's best interest

■ Many members of the campus community appear to be unaware that the policy of the General Faculties Council of the University prohibits discrimination on the basis of gender and other personal characteristics in the hiring of academic staff. For this reason, we welcome the strong reaffirmation of this policy by new President Paul Davenport (*Folio*, 22 September).

However, it has since been reported (*Folio*, 19 October) that several speakers at a meeting of the Academic Women's Association advocated preferential hiring of female faculty. Professor Ann Hall (Physical Education) was quoted as saying that the first round of affirmative action has been a failure, and that therefore goals and targets should be set to match faculty gender ratios with student gender ratios. If Professor Hall regards genuine equality of opportunity as a failure, we must strongly disagree. Hiring on the basis of merit alone is required in order to respect individual rights, and is in the best interests of the University. Moreover, this policy will continue to increase the percentage of women hired.

Even more disturbing to us was the report of what Dr Linda Woodbridge, former Chair of the Department of English, told the AWA meeting: that her department increased its representation of women by filling each of five openings last year with female candidates. This statement appears to be an admission of a deliberate violation of the GFC hiring policy. We urge President Davenport to follow up his statement of principle by instructing departments that such violations will not be tolerated.

FM Christensen, Department of Philosophy

GK Hunter, Department of Oral Biology

G Faulkner, Department of Mechanical Engineering

B Rochet, Department of Romance Languages

A Putnam Rochet, Department of Speech Pathology and Audiology

### National university enrollment passes half-million mark

The number of full-time students at Canadian universities has passed the half-million mark for the first time in history.

According to a survey completed by the Association of Universities and Colleges of Canada, fall enrollments for the 1989-90 academic year show an increase in the total number of full-time students of 3.2 percent over the same time last year.

This is the tenth straight year in which increases have been recorded, even though the 1980s were projected to be a period of declining enrollments.

All provinces share in the growth and the two provinces that recorded declines in last year's survey, Saskatchewan (2.4 percent) and Alberta (1.5 percent), report increases this year of 1.8 percent and 3.2 percent respectively.

The survey, conducted in conjunction with the Association of

Atlantic Universities and the Council of Ontario Universities, found that most of the projected increase is due to substantial growth in full-time undergraduate enrollments.

The numbers of first year full-time undergraduates are higher in all provinces than they were at the same time last year, but in this category, Alberta and Saskatchewan report significant increases in this year's survey. The survey stated that enrollment quotas, limited growth policies and higher admission standards at several of Alberta and Saskatchewan's universities led to last year's declines.

The AUCC survey also indicated a small increase in the number of full-time undergraduate foreign students studying in Canada.

AUCC represents 88 universities and university-level colleges. □

### Variety key to Extension workshops

The Faculty of Extension is offering several one- and two-day workshops aimed at assisting people in the workplace.

"Successful Selection Interviews" is a two-day seminar, 6 and 7 November, where participants will receive an overview of this most important human resource function and an understanding of the key role they play in it. Topics to be covered include staffing strategically; recruitment; selection process; and selection tools.

"Conflict Management", 8 November, will teach, among other things, how to recognize the positive potential in conflict situations; increase personal effectiveness and influence the performance of others; and prevent destructive, time-consuming disagreements.

"Assertiveness in the Workplace", Tuesday, 7 November, will centre on projecting a stronger, more powerful, professional image; how to say 'no' to unfair demands; handle conflict and criticism more productively; deal with difficult people; and express your opinions so that others will listen.

"Advanced Management and Leadership Skills and Techniques" is a two-day workshop, 9 and 10 November, which will look at various approaches to leadership as well as valuable techniques for enhancing the leader's personal power.

More information on any of the above mentioned workshops can be obtained by contacting Diane Mallon, 492-8315, or by calling the Faculty, 492-5066. □

### St Joseph's has new president

St Joseph's College has a new president.

Father Robert Joseph Barringer will take office 1 July 1990 for a five-year term. The announcement was made by the Chair of the College's Board of Governors Archbishop J MacNeil.

Father Barringer is currently Professor of Theology at the Toronto School of Theology, coordinator of the Program in Christianity and Culture at St Michael's College and Associate Chair of the Department of Religious Studies at the University of Toronto.

He received a BA in Classics from the U of T and went on to Oxford as a Rhodes Scholar and obtained

his MA and DPhil in Theology. His interest in Eastern theology led him to Romania where he studied at the University of Bucharest.

Father Barringer said he is strongly attracted to the City of Edmonton because it is a centre of Ukrainian culture.

He succeeds Father Wallace Platt, who is currently on leave and who will be involved next year in educational projects in Latin America. In his absence, Father Brian Inglis will be acting president.

The College offers philosophy and theology courses within the University and more recently has established a Centre for Ethics in Health Care and Biology. □

### Selection Committee for Dean: Faculté Saint-Jean

An Advisory Selection Committee has begun its search for a Dean of Faculté Saint-Jean. The appointment will take effect 1 July 1990 or as soon as possible thereafter. Suggestions of possible candidates are invited. Since the incumbent, Dr JA Bour is a candidate, the committee is also soliciting information about the administration of the Faculty as part of the normal process of performance review after five years in office. Comments are invited with this stated purpose in mind.

Nominations or applications for the position, accompanied in the latter case by a detailed résumé of qualifications and experience and the names of three referees, should be submitted by 1 December 1989 to: Dr J Peter Meekison, Vice-President (Academic), Third Floor, University Hall, University of Alberta, Edmonton, Alberta T6G 2J9.

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## Foreign investment in long run leads to jobs, professor says

Some people believe investment abroad leads to job losses at home, but that's only true in a "very narrow and static sense," says the Director for the Centre for International Business Studies.

"Over the longer run, the evidence indicates that foreign investment results in trade and thus not only preserves, but creates jobs," Rolf Mirus told participants of the Centre's first workshop 24 October.

Dr Mirus said the inaugural workshop was appropriately titled Cooperative Business Linkages because many of the province's enterprises are small by standards now being set in Europe, Japan and North America. "Yet if one is good at something, size disadvantages can be overcome by such cooperative linkages, or 'strategic alliances' as they are sometimes referred to."

The Director of the Centre told business executives, University participants and government representatives that to be successful in trade, "one must nowadays make investments abroad."

The workshop included two keynote speakers. Randall Morck (PhD Harvard) spoke on the Financial Aspects of Joint Ventures.

His discussion focused on the impact of joint ventures on share prices, internalization theory, tangible and intangible assets, the inherent tensions of joint ventures and the kinds of risks associated with international joint ventures.

Alan Murray (PhD Stanford) spoke on Cooperative Business Linkages. Most recently he completed a major study of why, when and what kind of cooperative linkages (contracts, joint ventures, mergers and acquisitions) should be employed as part of corporate strategy.

Faculty of Business Dean Jean-Louis Malouin said, "It is really quite fitting that we hold workshops with international implications here in the Stollery Centre: Bob Stollery's vision made PCL one of Canada's international success stories. The sad truth is that Canada needs more people with that kind of commitment, both in the business community and at the universities."

This spring the Centre was awarded to the University by the federal Department of External Affairs. Its mission is to increase the number of people active in the field of international business by offering relevant programs; to bring students and staff together with

those involved in international business and trade; and to develop teaching and research materials in the international business and trade area.

These objectives are expected to be met by a combination of

seminars, workshops, a newsletter, a cooperative business program, a program of research and curriculum development, a student exchange program and other international linkages.□

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## CAHPER honors three U of A people

The Canadian Association of Health, Physical Education and Recreation has honored three University of Alberta-affiliated individuals for their dedication and long-standing commitment to the discipline.

At the CAHPER annual honor and service awards banquet held 28 October, Gary McPherson received an honor award. McPherson is assistant director of the Rick Hansen Centre and is a physically disabled person known to thousands of Albertans.

McPherson has been a dedicated contributor to disabled sport and recreation activities in Canada and is currently the director of the Canadian Federation of Sports Organizations for the Physically Disabled. He is also Chair of the Premier's Council on the Status of

Persons with Disabilities.

Dave Sande, Associate Dean of Undergraduate Studies in the Faculty of Education, received a service award. Dr Sande is a teacher, scholar, coach, administrator and community worker who was also a founding member of Southwest United Sports Club and executive member of the South Side Athletic Club. He has been active locally and nationally in CAHPER activities.

Also receiving a service award was Ada Wynn, currently a sessional lecturer teaching curriculum and instruction in the Faculty of Education. Wynn is said to be one of the best physical education teachers ever to graduate from the U of A and has taught at Highlands Junior High School and Strathcona High School.□

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## Bob Steadward elected first president of international sport organization

Former Athletics Chair, Bob Steadward, has been elected to head the newly formed International Paralympic Committee (IPC), an organization for disabled athletes equivalent in scope to the International Olympic Committee (IOC). Dr Steadward was elected President at the inaugural general assembly held in September in Düsseldorf, Germany.

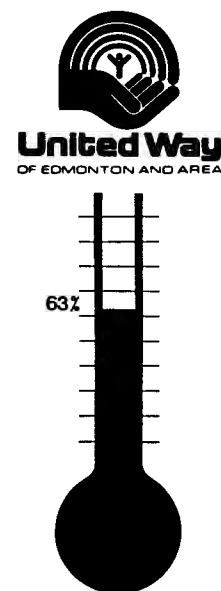
Dr Steadward, who is also Chair of the Canadian Federation of Sports Organizations for the Disabled (CFSOD), will guide the IPC efforts to promote sport for the disabled around the world; carry out research and educational programs to further develop sport for disabled people; and to lobby for the integration of sports for the disabled with major events for

able-bodied athletes. Among the major functions of the IPC is the coordination of the Paralympics, the world's second largest multiple sport event next to the Olympics, and many other multi-disability world games and championships.

According to Dr Steadward, there are many challenges and obstacles ahead for the IPC and he points first to operational concerns. "We must develop a short term and long range budget as well as a strategy for fundraising in order for us to operate as a first class, international, sport organization." Among the other 'challenges' cited by Dr Steadward is meeting with the IOC and in particular Juan Antonio Samaranch, President of the IOC, to "inform him about the creation of the IPC and to reopen our discussions concerning

integration and future support of the IPC and the Paralympic Games."

As the founder and current director of the Rick Hansen Centre on campus, Dr Steadward is no stranger to disabled athletes. His affiliations and memberships related to sports for disabled persons are numerous and span almost 20 years. He sits as an executive member of CFSOD, International Association for the Research of Sport and Exercise for the Disabled, the Alberta Paralympic Foundation, Rehabilitation Wheelchair Sports and Awareness Grants Committee, Canadian Sports Fund for the Physically Disabled and was made an honorary life member of the Paralympic Sports Association.□



*The Campus Campaign as of 1 November. Increased participation and an average gift of 0.5% of gross salary will take the University to its goal of \$150,000.*



University  
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## Emil Skarin Fund

### Invitation to apply

Applications are invited to the Emil Skarin Fund Committee of the University Senate for financial support of a 1990 project or projects. Approximately \$4,000 from the Fund will be available.

Projects must be of value both to the public as well as the University of Alberta; be consistent with the general aims and purposes of this University, but not normally funded by it; and originate within the Province of Alberta.

Preference will be given to projects with an emphasis on the humanities and the arts. Proposals should include objectives, schedule, budget, and procedures for organization and evaluation.

Application forms are available on request, and should be returned, completed, by 4 December 1989.

The Chairman,  
Emil Skarin Fund  
Committee  
University of Alberta  
150 Athabasca Hall  
Edmonton, Alberta  
T6G 2E8

Tel. 492-2268

## EVENTS



### Talks

#### Chemical Engineering

2 November, 3 pm Xiaosheng Fan, "Laboratory Modeling of Beach Profiles in Tailings Disposal." E342 Chemical-Mineral Engineering Building.  
9 November, 3 pm Warren Baker, NSERC/Dupont industrial research professor, Queen's University, "Reactive Extrusion of Polymer Systems." E342 Chemical-Mineral Engineering Building.  
16 November, 3 pm Yan S Yiu, "Multirate Adaptive Inferential Control of Distillation Column Bottoms Composition." E342 Chemical-Mineral Engineering Building.

#### Economics

2 November, 3:30 pm J Ritzen, Erasmus University, "The Economic Consequences of Selective Immigration Policies." 8-22 Tory Building.

#### Botany

2 November, 4 pm Jonathan R Cumming, "The Modulation of Aluminum Toxicity in Pitch Pine by the Ectomycorrhizal Fungus *Pisolithus tinctorius*." M-149 Biological Sciences Centre.

#### Entomology

2 November, 4 pm Hugh Danks, Biological Survey of Canada, National Museum of Natural Science, Ottawa, "Insect-Plant Relations in Arctic Regions." TBW-1 Tory Breezeway.  
9 November, 4 pm AT Finnamore, Invertebrate Zoology, Provincial Museum of Alberta, "Stigmini: The Relationships of Genera Within a Tribe of Apoid Wasps (Hymenoptera, Pemphredonidae)." TBW-1 Tory Breezeway.  
16 November, 4 pm RO Ryan, "Lipoprotein Metabolism in the Tobacco Hornworm, *Manduca sexta*." TBW-1 Tory Breezeway.

#### Rehabilitation Medicine and AHFMR

2 November, 4 pm Kenneth Ottenbacher, Occupational Therapy Program, University of Wisconsin, "Statistical Conclusion Validity in Rehabilitation Medicine." 2114 Nurses' Residence.

#### FM Salter Lectures on Language

2 November, 4:30 pm Shyamal Bagchee, "Of All Things Only: Notes on Some Uncomplex Words—On Eliot's 'Only' (and 'All')." L-1 Humanities Centre.

#### Philosophy and Psychology

2 November, 7 pm Margarita Levin, Yeshiva University, New York, "Feminist Philosophy of Science: A Critique." 201A Law Centre.

### Women's Studies, Religious Studies, Faculty of Arts, St Stephen's College

2 November, 7:30 pm Susan Thistlethwaite, Chicago Theological Seminary, "Sex, Race and God." 2-9 Business Building.  
3 November, 11 am Dr Thistlethwaite, "Creating Space Across Race, Class, and Gender Boundaries." 377 Education South.  
3 November, 2 pm Dr Thistlethwaite, "Nuclear Imagery: Its Effects and our Reactions." 1-83 Tory Building.

#### Cross Cancer Institute

2 November, 7:30 pm Ala Fields, physician, and Lee Cowan, nutritionist, "Alternative Therapies: Fact or Fake?" Auditorium, Cross Cancer Institute.  
9 November, 7:30 pm John Akabutu, physician, and Eileen Harris and Judy McTavish, nurses, "Children with Cancer: The New Generation." Auditorium, Cross Cancer Institute.  
16 November, 7:30 pm Ceinwin Cumming, Katherine Leonard, Nancy Digdon, "Cancer in the Family: Impact on Children." Auditorium, Cross Cancer Institute.

#### Plant Science

3 November, 12:30 pm Sujun Deng, "The Molecular Basis of the Structure and Function of Viroids." 1-06 Agriculture-Forestry Centre.  
17 November, 12:30 pm Mohan Kumar, "The Role of Calcium in Signal Transduction in Plants." 1-06 Agriculture-Forestry Centre.

### Canadian Institute for Nordic Studies and Art and Design

3 November, 2 pm Adalsteinn Ingolfsson, Icelandic art critic, presents an illustrated lecture on "Developments in Icelandic Art, 1980-1989." 2-20 Fine Arts Building.

#### Physics

3 November, 2 pm DA Bryant, Rutherford Appleton Laboratory, United Kingdom, "Auroral Electron Acceleration." V-121 V-Wing.

#### Genetics

3 November, 3 pm Grant McFadden, "Replication and Resolution of Pox Viral Telomeres." G-116 Biological Sciences Centre.  
10 November, 3 pm J von Borstel, "Reversal of Potentially Lethal Lesions Induced in Mice by Ionizing Radiation." G-116 Biological Sciences Centre.

#### Economics, Finance, Management Science

3 November, 3 pm Adrian Pagan, University of Rochester, "Alternative Models for Conditional Stock Volatility." 8-22 Tory Building.

#### Philosophy

3 November, 3 pm Margarita Levin, Yeshiva University, New York, "In Defence of Objectivity." 4-29 Humanities Centre.

#### Zoology

3 November, 3:30 pm Judy Stamps,

Department of Zoology, University of California, Davis, "Aggregation and Attraction in Territorial Species." M-149 Biological Sciences Centre.  
10 November, 3:30 pm John Spence, "Metapopulation Dynamics of Pond Skaters: Implications for Life-History Evolution." M-149 Biological Sciences Centre.

#### Linguistics

6 November, 11:30 am Dick Allwright, Department of Applied Linguistics, University of Lancaster, United Kingdom, "Understanding Learners." 213 Education South.  
6 November, 3 pm Dr Allwright, "Different Learner, Different Lesson." 289 CAB.  
6 November, 8 pm Dr Allwright, "Understanding Learners." Staff Lounge, 8th Floor, Alberta Vocational Centre.  
Sponsors: Linguistics, Secondary Education, Grant MacEwan Community College, Citizenship Alberta, Elementary Education, Extension, Alberta Vocational Centre, TESL Canada.

#### International Centre

6 November, noon Pam Willoughby, "Stone-Age Archaeology in Tanzania."  
7 November, 12:30 pm L Leung will demonstrate the fine art of Chinese calligraphy.  
8 November, noon Anne Paludan, coordinator of the United Church Multicultural Project, "Refugees and the Media."  
9 November, 12:30 pm Mohammad Sabur, "Impact of Flooding in Bangladesh."  
14 November, 12:30 pm Tipawan Prasertphan cooks Thai food and will provide recipes and a taste.  
15 November, noon Cliff Pampineau, "Native Culture Archetypes." All events in 172 HUB International.

#### Nursing

6 November, noon Health and Nursing Issues Brown Bag Lunch. MJ Wood, "Priorities for the Faculty of Nursing." 2-115 Clinical Sciences Building.

#### CITL

6 November, 2 pm Dick Zwicker, Grant MacEwan Community College, "A Discussion on Classroom Discussion." 165 Education South.  
7 November, 3 pm Doris R Badir, "Cultivating Excellence: Role Models and Mentors." 165 Education South.  
8 November, 3 pm Hank A Hargreaves, "Thou Gainful Glass: The AAS:UA's The University Professor: A Statement of Goals." 165 Education South.  
9 November, 3 pm Paula Brook, "Reviving the Walking Dead: Increasing Involvement of Non-Involved Students." 235 CAB.  
14 November, 12:30 pm Education Librarians, "Education Databases on Spires." TBW-2 Tory Breezeway.

#### Rural Economy

6 November, 3:15 pm Frank Novak, "Intertemporal Portfolio Choice: An Application to Agriculture." 519 General Services Building.

### Pharmacy and Pharmaceutical Sciences

6 November, 4 pm Bruce Lodge, Health and Welfare Canada, Health Protection Branch, Ottawa, "Canadian Designer Drugs." 2099 Dentistry-Pharmacy Centre.

## Slavic and East European Studies

8 November, 3 pm AN Tumanov, "Moscow Revisited: A Russian-Canadian Scholar in the Moscow of 1989." 436 Arts Building.

## Religious Studies

8 November, 3:30 pm J King-Farlow, "Eriugena and Creation 'Ex Nihilo'." Senate Chamber, Arts Building.

## Limnology and Fisheries Discussion Group

9 November, 12:30 pm Brenda Miskimmin, "Methyl Mercury Production and Movement in Aquatic Systems." M-149 Biological Sciences Centre.  
16 November, 12:30 pm Steve Carpenter, University of Wisconsin, "A Simple Testable Model of Bluegreen Algal Blooms." M-149 Biological Sciences Centre.

## Geography and the Boreal Institute

8 November, 4 pm Robert Bone, Department of Geography, University of Saskatchewan, "Northern Air Commuting and Regional Development: The Experience of the Norman Wells Oil Expansion and Pipeline Project." 3-36 Tory Building.

## Alberta Colloquium on Giftedness

8 November, 7 pm Nicholas Colangelo, University of Iowa, Iowa City, Iowa, "Psychological Development of Gifted Youngsters." 2-115 Education North. Sponsor: The Centre for Gifted Education, University of Calgary. Registration fee. 492-1154.

## History

9 November, 3:30 pm Egmont Lee, University of Calgary, "Rome's First Census, 1926-1927: Problems of Interpretation." 2-58 Tory Building.

## Canadian Mediterranean Institute

9 November, 7:30 pm Egmont Lee, director, Canadian Academic Centre in Italy, and professor of Renaissance History, University of Calgary, "Immigrants and the Beginnings of Modern Rome." Provincial Museum.

## English

14 November, 3:30 pm Helen M Buss, "American Women's Autobiography, Literary Theory, Critical Practice, and Feminist Consciousness: An Exploration of Texts by Maya Angelou, Maxine Hong Kingston and Mary McCarthy." L-3 Humanities Centre.

## Devonian Botanic Garden

15 November, 7:30 pm Randy Currah, "Arctic Mycology—Some Fungi of Svalbard." CW-410 Biological Sciences Centre. Sponsor: Edmonton Mycological Club.

## Soil Science

16 November, 12:30 pm CF Bentley, "New Approaches are Needed for Soil Science in International Development Programs." 2-36 Earth Sciences Building.

## Music

16 November, 3:30 pm Colloquium—"The Pedagogy of Music Theory." Catherine Nolan, moderator. 2-32 Fine Arts Building.

## The Arts

## Exhibitions

## FAB Gallery

Until 5 November "Staff Shows—Part One"—work by Art and Design faculty. 8 to 26 November "Staff Shows—Part Two." 1-1 Fine Arts Building. 492-2081.

## Musée Héritage Museum

Until 12 November "Cryptogams: Mosses, Lichens and Liverworts"—the extraordinary beauty and importance to the earth of these tiny plants. From University Collections. 5 St Anne Street, St Albert. 459-1528.

## Bruce Peel Special Collections Library

Until 29 December "Printed at the Curwen Press"—a miscellany of books, periodicals and ephemera produced at the Press during its heyday, 1919-1956. Hours: 8:30-4:30 Monday and Friday; 8:30-6 Tuesday, Wednesday, Thursday; noon-5 Saturday.

## Edmonton Youth Orchestra

5 November, 3 pm Edmonton Youth Orchestra Concert. Admission: \$5/adults; \$3/students and seniors. Convocation Hall. 436-7932.

## Films

## Germanic Languages

8 November, 7:30 pm "Romanze in Moll" (1943). 141 Arts Building.

## Music

8 November, 8 pm Faculty Recital—William H Street, saxophonist. 11 November, 1 pm Recital with Eugene Rousseau, saxophonist, and Kari Miller, pianist. 11 November, 2:45 pm Masterclass—Eugene Rousseau, saxophonist. Events in Convocation Hall.

## Studio Theatre

9 to 18 November "Loose Ends." Myer Horowitz Theatre. Admission. 492-2495.

## Sports

## Basketball

2 November, 7:30 pm Golden Bears vs Lewis Clark State.  
9 to 11 November Golden Bear Invitational.

## Volleyball

3 November, 6:30 pm Pandas vs British Columbia.  
4 November, 6:30 pm Pandas vs British Columbia.

## Hockey

3 November, 7 pm Golden Bears vs Saskatchewan.  
4 November, 7 pm Golden Bears vs Saskatchewan.  
10 November, 7 pm Golden Bears vs Calgary.

## Award opportunities

## Boreal Alberta Research Grants

*Purpose:* To support research in the Canadian boreal forest and arctic. Developed primarily to initiate and support field research in the north and research on northern subjects. *Field of study:* Any academic discipline. *Eligibility:* Open to graduate students, postdoctoral fellows, or full-time academic staff of the University of Alberta, affiliated college or Athabasca University. Other residents of Alberta, the western Northwest Territories and the Yukon are also invited to apply. *Duration of grant:* Two years, starting 1 April 1990. *Geographic focus:* Canadian boreal forest and Canadian Arctic, especially northern Alberta, Yukon, and NWT. *Application deadline:* 15 November 1989. Applications are available from the Research Library, Boreal Institute for Northern Studies, CW-401 Biological Sciences Building, University of Alberta, Edmonton, Alberta T6G 2E9. Fax: (403) 492-1153.

## Positions

*The University of Alberta is committed to the principle of equity in employment.*

*In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.*

## Academic

### Faculty Service Officer in Computer Applications, Department of Soil Science

The Department of Soil Science, Faculty of Agriculture and Forestry invites applications for a Faculty Service Officer in Computer Applications.

The incumbent will develop or implement computer applications in support of the Faculty's undergraduate and graduate teaching responsibilities and its research program. Support for teaching may involve computer-assisted learning, computer modelling of soil systems, and graphics and animation applications. Support for research will involve computer applications to a variety of Faculty research programs including implementation of adaptation of existing soils and agronomic models, development of communications systems, data management and programming. Emphasis is being directed to development of agroecosystem models and components thereof through interdepartmental collaboration. The incumbent will also be responsible for maintenance of computer equipment and software in the Department of Soil Science and instruction in use of software. Assistance in preparation for several

undergraduate laboratories in Soil Science may be required.

We are seeking an individual with a minimum of BSc in biological or earth sciences and a strong background in computing, or a BSc in computing science with considerable experience in biological or earth sciences. The applicant should be familiar with different software applications in IBM-PC, Mac and mainframe systems. Experience with FORTRAN and/or other computer languages is required. This is a departmental position and the successful candidate will be expected to work well with academic staff, support staff and students having a wide range of computer expertise.

The Department of Soil Science has 10 academic staff and is in the Faculty of Agriculture and Forestry which has 108 academic staff members. Collegial interaction is expected with staff in the Department of Soil Science and other departments involved in agricultural, silvicultural and environmental research.

This is a permanent position at the Faculty Service Officer I for which the current salary range is \$29,980 to \$43,972. Letters of application, names and addresses of three referees, academic transcripts and *curriculum vitae* should be sent to: JA Robertson, Chair, Department of Soil Science, University of Alberta, Edmonton, Alberta T6G 2E3.

The closing date for applications is 15 December 1989.

### Department of Educational Administration, tenure track teaching position

The Department of Educational Administration at the University of Alberta invites applications at the Assistant Professor level (current salary range is \$34,970-\$51,434) effective 1 July 1990 or earlier, should the successful applicant be available at an earlier date.

The department has launched an MEd specialization on the principalship emphasizing clinical experience and reflective practice. Accordingly, preference will be given to persons with previous involvement in school leadership roles and in instructional innovations linking theory and practice. Preparation should be of sufficient breadth and depth to qualify the applicant for teaching and research in one or more of the specialized areas of Educational Administration.

Duties will include: (a) instructing at the graduate level, (b) supervising graduate students and their research, (c) maintaining an active program of research and publishing, and (d) participating in the department's program initiatives.

Applicants should forward the following materials:

1. A letter of application.
2. A transcript of courses in the applicant's graduate program.
3. A copy of the title page and the abstract of the applicant's doctoral dissertation.
4. An up-to-date *curriculum vitae*.
5. Copies of three recent publications.
6. Names and current addresses of three referees who can attest to the applicant's potential as a scholar and as an educational leader.

These materials should be directed to: Dr EW Ratsoy, Professor and Chair, Department of Educational Administration, University of Alberta, Edmonton, Alberta T6G 2G5.

The closing date is 15 January 1990; all documentary materials must have been received by that date.

The University of Alberta will try to facilitate spousal employment within the limits of current Canada Employment and Immigration requirements.

### Department of Educational Administration, tenure track teaching position

The Department of Educational Administration at the University of Alberta invites applications at the Associate Professor level (current salary range is \$43,590-\$65,718) effective 1 July 1990 or earlier (budget permitting), should the successful applicant be available at an earlier date.

This vacancy is for an established scholar in educational administration. Experience in the following activities is required: (a) teaching educational administration at the graduate level, (b) supervising graduate students, and (c) conducting an extensive research program.

Duties will include: (a) instructing at the graduate level, (b) supervising graduate students and their research, (c) maintaining an active program of research and publishing, and (d) participating in the department's program initiatives.

Applicants should forward the following materials:

1. A letter of application.
2. A transcript of courses in the applicant's graduate program.
3. A copy of the title page and the abstract of the applicant's doctoral dissertation.
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### Support Staff

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 27 October. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Positions available as of 27 October 1989.

The salary rates for the following positions reflect adjustments in accordance with the terms for the implementation of the Pay Equity Program.

- Clerk Steno, Grade 4, Romance Languages, (\$1,456-\$1,973)
- Clerk Steno (Conferences), Grade 5, Faculty of Law, (\$1,623-\$2,166)
- Clerk Steno (Admissions), Grade 5, Faculty of Law, (\$1,623-\$2,166)
- Secretary, Grade 6, Plant Science, (\$1,808-\$2,386)

- Admissions Records Assistant, Grade 7, Office of the Registrar, (\$1,808-\$2,612)
- Laboratory Assistant, Grade 2, Provincial Laboratory, (\$1,336-\$1,647)
- Food Service Worker, (40 hours/week, Recurring term), Grade 3, Housing and Food Services, (\$1,560-\$2,066)
- Typographical Tradesman, Grade 6, Printing Services, (\$2,051-\$2,556)
- Programmer Analyst, Grade 7, University Computing Systems, (\$2,084-\$2,612)
- Audio and Video Technician, Grade 7, Instructional Technology Centre, (\$2,084-\$2,612)
- Technologist, Grade 7, Zoology, (\$2,084-\$2,612)
- Administrative Assistant, Grade 8, Office of the Registrar, (\$2,251-\$2,839)
- Technologist, Grade 8, Entomology, (\$2,251-\$2,839)
- Graphic Technician, Grade 8, Technical Services (Graphics), (\$2,251-\$2,839)
- Dental Technician, Grade 10, Restorative Dentistry, (\$2,622-\$3,346)
- Programmer Analyst, Grade 10, Psychology, (\$2,622-\$3,346)

The following positions retain salary rates in accordance with the previous classification system and pay plan.

- Clerk Typist II (Part-time, Trust/Term to 30 June 1990), Rick Hansen Centre, (\$8.73/hour-\$10.84/hour)
- Clerk Steno III (Trust), Faculty of Medicine, (\$1,475-\$1,853)
- Library Assistant III (Trust), Legal Resource Centre, (\$1,934-\$2,488)
- Audio Visual Assistant (Trust), Health Sciences Media Services and Development, (\$1,324-\$1,645)
- Technologist I (Trust/Term to 31 March 1990), Pharmacology, (\$2,100-\$2,710)
- Technologist II (Trust), Immunology, (\$2,283-\$2,960)

## Advertisements

### Accommodations available

- Victoria properties - Experienced, knowledgeable realtor with Edmonton references will answer queries, and send information. No cost or obligation. Call collect (604) 595-3200, Lois Dutton, Re/Max Ports West, Victoria, BC.
- Sale - Grandview, only minutes from University. Quiet, treed location. Four bedrooms plus den. Large assumable mortgage. Ann Dawrant, Spencer Realty Executives, 436-5250.
- Sale - Lansdowne, two storey, four bedrooms, hardwood floors, family room, great location, immediate possession. Bicycle to the University. Ed Lastiwka, Royal LePage Realty, 437-7480, 437-4984.
- Sale - New listing, Grandview, excellent location, 1,750' bungalow. Redecorated, neutral tones. Newer carpet, paint, roof. Professionally finished basement, five bedrooms, vaulted ceilings throughout, spacious, bright. Sherry Mailo, Re/Max Realty, 438-7000.
- Rent - Parkview, furnished bungalow. January-April. Mature couple. Modest rent plus utilities, 484-8946.
- Rent - Fully furnished three bedroom townhouse, south side, January-July, \$695/month. Possibility car. 435-1710, 492-5731.

- Rent - Sunny, spacious apartment. Two bedroom, large living room and kitchen, four appliances, garage. Utilities included. Close to campus, 7813 116 Street. References. \$700/month, \$350 DD. Ideal for couple. 436-0133.
- Rent - Aspen Gardens, three bedroom bungalow, two car garage, five appliances, fully developed basement, \$900/month plus deposit. No pets, references. December 1. 435-7157.
- Rent - One bedroom, unfurnished basement suite. All appliances, garage. West Edmonton. Available 1 December, \$395 includes utilities, 483-5912.
- Rent - Three bedroom house, unfurnished, all appliances, garage, near Misericordia Hospital. Available 1 December, \$685 includes utilities, 483-5912.
- Sale - Stunningly beautiful, rebuilt two and a half storey in south Strathcona, 2,300', three plus bedrooms, double garage. A designer's dream! Offered at \$159,900. David, 438-6111, NRS Realty.
- Sale - Windsor Park, open house, 8908 116 Street, Sunday, 5 November, 2-4 pm. Two storey, four bedrooms, den, hardwood floors, large lot. Chris Tenove, 433-5664, 436-5250, Spencer Realty Executives.
- Sale - Spacious, three bedroom bungalow in desirable location, can walk to University. Hardwood floors plus more. Joan Lynch, Spencer Realty, 436-5250, 433-9025.
- Sale - Four bedroom home, exceptional living space in an environment tailored for your family. Imagine the pleasure of walking to the University. Joan Lynch, Spencer Realty, 436-5250, 433-9025.

### Accommodations wanted

- Housesitting desired by responsible, mature, married graduate students. Nonsmokers. Available from 1 December. References on request. Andrew, 492-4935 or 439-7291.
- Two former University professors want to housesit/pay reasonable rent, 22 December to 12 January. Phone Lou, 431-0562.
- Wanted to rent - House, three bedrooms, University area if possible, 1 January to 30 June. Chris Tenove, 433-5664, 436-5250.
- Apartment in Honolulu/Maui, 15 December-4 January. 433-8302.

### Automobiles and others

- 1979 Olds 88. Excellent condition, single owner, 305 engine, cruise, tilt, stereo and deck, hitch, block and in-car heaters. Mechanic's referral available. \$2,500. 436-4871.

### Goods for sale

- Cash paid for appliances, 432-0272.
- The Edmonton Book Store specializes in books for the University community. Quality books bought and sold every day; just a short walk from campus, 8530 109 Street. Call 433-1781.
- Alberta lamb, \$2.50/pound delivered. Gourmet and regular orders. Call Chris Harvey, 843-3494.
- Violin, 1919 Seidel, excellent condition, good tone, \$600. Phone 483-4993.
- Antique wicker loveseat, two chairs. Sturdy, partially refinished, recently upholstered/cushions, FDY. \$700, best offer, 436-4615, evenings.

### Services

- Donnic Word Processing - Since 1978, specializing in theses, manuscripts, etc. 453-2769.
- Word Processing, \$1.50/dspage, 462-8930.
- Accurate word processing by a qualified legal secretary on an AES Plus system. Work guaranteed. Reasonable rates. Call Maureen at 435-6623, days or evenings.
- David Richards Carpentry. Certified journeyman NAIT. Complete interior and exterior residential renovations including plumbing and electrical. References available, 437-0794.
- Professional typist-word processing. Specializing in theses, dissertations, manuscripts. Gwen, 467-9064.
- Henry Kreisel celebrated his birthday with us at Troy! Join us in 1990. Golden Horn Tours, 10115 150 Street, T5P 1P2. 483-8288.
- Computerized literature searching. Expert information retrieval by experienced scientist. All areas. Requests accepted by phone. No red tape! Competitive rates. Satisfaction guaranteed. JL Citation Services, 487-8652.
- Looking for experienced, patient tutor for English literature/composition? SSHRCC private scholar, internationally published writer. Available to university/high school students. 483-9308.
- Bachaches? Stress tension? Special therapy at Back-Basics (supplementary health care reimburses treatment costs). Maria Krieg is a spine specialist, university-trained in Düsseldorf. 11610 75 Avenue, 436-8059.
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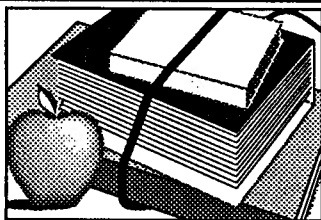
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Do you suffer from recurring cold sores? Would you be interested in participating in a confidential, controlled study by a University of Alberta research team investigating a promising anti-viral medication? This medication (acyclovir) has been tested and approved for use in Canada for other anti-viral applications.

*If interested, please contact Sheri, Helen or Lori at 492-6221.*

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Alberta Heritage Foundation for Medical Research  
is seeking a

## PRESIDENT

Established by an act of the Alberta Legislature, the Foundation supports medical research with funds from an endowment currently valued at \$500 million. Programs support a broad range of basic and clinical research at the Universities of Alberta and Calgary and to date fund 145 career positions. The annual budget averages \$35 million.

The President:

- acts as Principal Officer, responsible to the Trustees
- advises Trustees on development of programs and implements them
- ensures the effective operation of the Scientific Advisory Council and application advisory committees
- ensures high scientific standards in the review process
- communicates effectively with the universities and the research community
- fosters public awareness of the Foundation

Candidates should have a broad range of experience in medical research and administration. Salary and conditions of employment are negotiable. This challenging position is an opportunity to lead an organization which has been judged by an international review board to have produced, "a unique medical research milieu that is likely not matched elsewhere in the world."

Applications and/or nominations should be accompanied by a curriculum vitae and the names of three references. Please send to:

E.A. Geddes, Chairman  
Alberta Heritage Foundation for Medical Research  
3125 ManuLife Place  
10180 - 101 Street  
Edmonton, Alberta T5J 3S4

**Closing date for applications:**  
**November 30, 1989**



## DEAN'S RESEARCH ROUNDS WEDNESDAY, NOVEMBER 8, 1989

**BERNARD SNELL HALL**

**WALTER C. MACKENZIE**

**HEALTH SCIENCES CENTRE**

**3:30 - 5:00 P.M.**

**SPECIAL GUEST: DR. PAUL DAVENPORT, PRESIDENT**

**PROGRAM:**

**"RESEARCH UPDATE":**

**DR. D.R. WILSON, DEAN**  
**DR. M.J. POZNANSKY,**  
**ASSOCIATE DEAN (RESEARCH)**

**DR. MICHAEL N.G. JAMES**  
**"HUMAN RENIN: A TARGET FOR**  
**ANTIHYPERTENSIVE DRUG DESIGN"**

**DR. FRANK X. WITKOWSKI**  
**"MECHANISMS OF**  
**DEFIBRILLATION"**

**RECEPTION & TEACHER OF THE YEAR AWARDS TO FOLLOW**